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Attorney Docket No.: VISH-799-4C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent

In re Application of:

Inventor(s): CONSTANTIN BULUCEA AND REBECCA ROSSEN

Serial No.: 08/851,608

Examiner:

Filed: 05/05/97

Art Unit:

For: TRENCH DMOS POWER TRANSISTOR WITH FIELD-SHAPING BODY PROFILE AND THREE-DIMENSIONAL GEOMETRY

Patent No.:

Issued Date:

Assistant Commissioner for Patents
Washington, D.C. 20231

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
(REVOCATION OF PRIOR POWERS)**

As assignee of record of the entire interest of the above identified

☒ application,
☐ patent,

REVOCATION OF PRIOR POWERS OF ATTORNEY

all powers of attorney previously given are hereby revoked and

NEW POWER OF ATTORNEY

the following attorney(s) and/or agents(s) are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected herewith.

| | |
|---------------------|--------------------------|
| James P. Hao | Registration No.: 36,398 |
| Anthony C. Murabito | Registration No.: 35,295 |
| John P. Wagner | Registration No.: 35,398 |
| Glenn D. Barnes | Registration No.: 42,293 |
| Thomas M. Catale | Registration No.: 46,434 |
| Jose S. Garcia | Registration No.: 43,628 |
| Eric J. Gash | Registration No.: 46,274 |
| Lin C. Hsu | Registration No.: 46,315 |
| Ronald M. Pomerence | Registration No.: 43,009 |
| John F. Ryan | Registration No.: 47,050 |
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Mehlin Dean Matthews

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SILICONIX INCORPORATED
(type or print identity of assignee of entire interest)

2201 Laurelwood Road
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Address

☒ Recorded in PTO on 12/27/88
Reel 5011
Frame 0483

☐ Recorded herewith

ASSIGNEE CERTIFICATION

Attached to this power is a "CERTIFICATE UNDER 37 CFR 3.73(b)."

Date

3/21/03

Signature



Dr. King Owyang
(type or print name of person authorized to sign on behalf
of assignee)

President and CEO
Title



Docket No.: VISH-799-4C
Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Bulucea, et al.

Serial No.: 08/851,608

Filing Date: 05/05/97

For: TRENCH DMOS POWER TRANSISTOR
WITH FIELD-SHAPING BODY PROFILE AND
THREE-DIMENSIONAL GEOMETRY

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CERTIFICATE UNDER 37 CFR 3.73(b)

SILICONIX INCORPORATED, a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

☒ An assignment from the inventor(s) of the patent application identified above. A copy of the assignment is attached.

☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignees as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel: _____, Frame: _____, or for which a copy thereof
is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
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is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
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is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) avers that the undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

3/21
Date

King Owyang
Signature

Dr. King Owyang
Typed or Printed Name

President and CEO
Title



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

TO: JOHN F. SCHIPPER
SKJERVEN, MORRILL, MAC PHERSON,
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NUMBER REFERENCED BELOW. A DIGEST OF THE DOCUMENT HAS ALSO BEEN MADE
AND APPEARS IN THE OFFICE'S RECORDS AS SHOWN:

ASSIGNOR: 001 BULUCEA, CONSTANTIN
ASSIGNOR: 002 ROSSEN, REBECCA

DOC DATE: 12/16/88
DOC DATE: 12/16/88

RECORDATION DATE: 12/27/88 NUMBER OF PAGES 002 REEL/FRAME 5011/0483

DIGEST: ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE: 501 SILICONIX INCORPORATED, 2201 LAURELWOOD ROAD, SANTA CLARA
, CA. A DE. CORP.

SERIAL NUMBER 7-290546 FILING DATE 12/27/88
PATENT NUMBER ISSUE DATE 00/00/00

TITLE OF INVENTION: TRENCH DMOS POWER TRANSISTOR WITH FIELD-SHAPING BO
DY PROFILE AND THREE-DIMENSIONAL GEOMETRY

INVENTOR: 001 BULUCEA, CONSTANTIN
INVENTOR: 002 ROSSEN, REBECCA

290546

A/D

LAW OFFICES OF

Docket No. M-799 US

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TELECOPY NO. (415) 982-7372

December 27, 1988

Our Case Docket No. M-799 US

REPLY TO

Commissioner of Patents and Trademarks
Washington, D. C. 20231

Santa Clara

Transmitted herewith for filing is a patent application, as follows:

Inventors: Constantin Bulucea et al.
Title: TRENCH DMOS POWER TRANSISTOR WITH FIELD-SHAPING BODY
PROFILE AND THREE-DIMENSIONAL GEOMETRY

Enclosed also are:

34 Sheets of drawings: _____ (Formal) XX (Informal)
X An Assignment of the Invention to Siliconix incorporated

_____ A certified copy of a Application.
_____ Associate Power of Attorney.

CLAIMS AS FILED

| For | Number Filed | Number Extra | Rate | Basic Fee \$340.00 |
|---------------------------------------------------------------------------------|-----------------|-----------------|--------|-----------------------|
| Total Claims | 16 | -20 = 0 | x \$12 | = 0 |
| Independent Claims | 3 | - 3 = 0 | x \$34 | = 0 |
| Application contains one or more multiple dependent claims (\$110 total fee) | | | | = 0 |
| Total Filing Fee: | | | | \$340.00 |

Please make the following charges to Deposit Account 19-2386:

X Fee for filing the patent application in the amount of \$340.00
X Fee for recording the Assignment in the amount of \$ 7.00
X The Commissioner is hereby authorized to charge any additional
fees which may be required, or credit any overpayment to Deposit
Account 19-2386.

A Return Receipt Postcard and duplicate copy of this sheet are enclosed.

N 10074 01/04/89 290546

19-2386 010 518

I hereby certify that this correspondence is being deposited with the United States
Postal Service as express mail in an envelope addressed to: Commissioner of
Patents and Trademarks, Washington, D.C., 20231. December 27

19 88 Express Mail Receipt No. P122152-12

December 28, 1988 John F. Schipper
Date of Signature

Respectfully submitted,

John F. Schipper
John F. Schipper
Reg. No. 26,451
Attorney for Applicants

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, Constantin Bulucea of 120 E. Remington Ave., Apt. 316, Sunnyvale, CA, and Rebecca Rossen of 440 Marion Ave., Palo Alto, CA, hereby sell, assign and transfer to Siliconix Incorporated, a Delaware corporation, having a place of business at 2201 Laurelwood Road, Santa Clara, CA, its successors and assigns, the entire right, title and interest throughout the world in our invention in

TRENCH DMOS POWER TRANSISTOR WITH FIELD-SHAPING BODY PROFILE
AND THREE-DIMENSIONAL GEOMETRY

for which we filed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

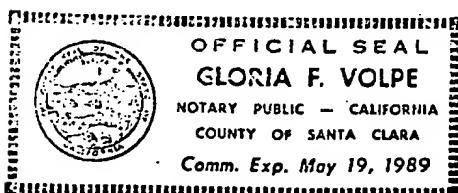
Executed this 16th day of December, 1988.

Constantin Bulucea
Constantin Bulucea

State of California)
) ss.
County of Santa Clara)

On this 16th day of December, in the year 1988, before me, the undersigned Notary Public, personally appeared Constantin Bulucea personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person whose name is subscribed to this instrument, and acknowledged that he executed it.

WITNESS my hand and official seal.



Gloria F. Volpe
Notary's signature

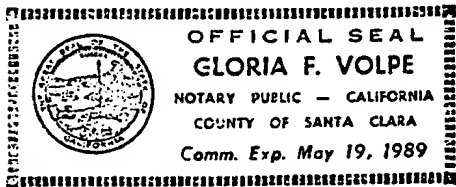
Executed this 16th day of December, 1988.

Rebecca Rossen
Rebecca Rossen

State of California)
) ss.
County of Santa Clara)

On this 16th day of December, in the year 1988, before me, the undersigned Notary Public, personally appeared Rebecca Rossen personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person whose name is subscribed to this instrument, and acknowledged that she executed it.

WITNESS my hand and official seal.



Gloria F. Volpe
Notary's signature

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DEC 27 88

Donald J. Zupp
COMMISSIONER OF PATENTS
AND TRADEMARKS OFFICE